

## ABSTRACT OF THE DISCLOSURE

METHOD AND SYSTEM FOR NETWORK MANAGEMENT CAPABLE OF  
RESTRICTING CONSUMPTION OF RESOURCES ALONG  
5      ENDPOINT-TO-ENDPOINT ROUTES THROUGHOUT A NETWORK

A method, system, apparatus, and computer program product is presented for management of a distributed data processing system. A network management framework  
10 provides the ability to restrict the use of endpoint resources along network routes after receiving, from a source endpoint, certain types of requests for actions at a target endpoint. A topology mapping is used to derive an endpoint-to-endpoint route for completing the  
15 requested action. Other activities along the route are restricted or terminated on an endpoint-by-endpoint basis as necessary in accordance with the derived endpoint-to-endpoint route. Consumption of resources along particular network routes might be restricted that  
20 the performance of various target resources can be accurately measured. In addition, particular routes could be restricted so that they are reserved exclusively for the use of customers or applications that have contracted for high levels of service.